

RPO National Work Group Meeting

Agenda

Crown Plaza, Dallas, TX

December 3 - 4, 2002

Tuesday, December 3, 2002

8:30 COMBINED SESSION: ALL GROUPS

Trinity 1-4

Welcome by Becky Weber, Associate Director of Air Program in EPA Region 6
Meeting Overview (RPO Directors; FLM representative; Peter Tsirigotis and Lydia Wegman, OAQPS)

RPO and EPA collaboration

EPA policy and technical update

Regional haze rule update – Lydia Wegman

Regional transport rule – Lydia Wegman

Other issues

Roles and Responsibilities of work groups (RPO Directors, Discussion Group Leaders)

What's happened since the last meeting

What's expected at this meeting

10:00 Break

10:15 MODELING GROUP SESSION

Trinity 6-8

15 mins per presenter

– EPA lessons learned and model evaluation criteria – Brian Timin

[CMAQ and REMSAD - Model Performance and Ongoing Improvements - Timin](#)

– BRAVO modeling results – Mark Green

[Brief evaluation of REMSAD and CMAQ for east Texas tracers - Green](#)

– URM results from SAMI – Pat Brewer

[One-Atmosphere Photochemical Modeling in Southeastern US - Brewar](#)

– Platform intercomparison results with REMSAD – MANE-VU/Gary Kleiman

[MANE-VU Regional Haze Modeling - RPO Update - Kleiman](#)

– Updates from Midwest RPO - Kirk Baker

[Midwest RPO Modeling - Baker.pdf](#)

– Updates from WRAP - John Vimont - [Don't have a copy of this presentation at this time](#)

[CENRAP Modeling Activities - Ku](#) (not presented due to technical difficulties)

DATA ANALYSIS/MONITORING SESSION

Trinity 5

– RPOs' Overview of monitoring & data analysis activities (45 minutes)

[MANE-VU Activities Before & After - Graham](#)

[18 Class 1 Areas in VISTAS Region - Reynolds](#)

[Midwest RPO Data Analysis - Kenski](#)

- OAQPS updates - Neil Frank (45 minutes)

[Data Analysis - Monitoring Session - OAQPS Updates - Frank](#)

- * Reconciliation of IMPROVE/STN data & 6 sites study
- * Urban excess & elevation adjustments
- * Status of Draft Guidance Documents
- * Access to Canadian data

EMISSIONS SESSION

Whispering Oaks

- Updates by each RPO and Discussion
15 minutes/RPO - Kathy Pendleton, Mark Janssen, Laura Booth, Lee Gribovicz, Annie Baumann/Ray Malefant

[Overview Midwest RPO Inventory Activities - Janssen](#)

[WRAP Emission Forum Report - Gribovicz](#)

--15 minutes of discussion

12:00 Lunch

1:00 **MODELING GROUP SESSION**

Trinity 6-8

- Model selection criteria (staff time, hardware, performance, science, transparency)
- Model Performance Evaluation relevant to PM2.5

MONITORING/DATA ANALYSIS SESSION

Trinity 5

- Updates on special studies
 - * Midwest RPO & IMPROVE nitrate studies - Donna Kenski & Marc Pitchford (30 minutes)

[IMPROVE Ion Study Plan - Pitchford](#)

- * Yosemite wood smoke study - Bret Schichtel (15 minutes)

[Yosemite Smoke Special Study Summer 2002 - Schichtel](#)

- * Northeastern Summer 2002 Studies - John Graham (15 minutes)

[MANE-VU Northeastern Summer 2002 Data Examples - Graham](#)

- * BRAVO Study - Mark Green (15 minutes)

[Overview of the Big Bend Regional Aerosol and Visibility Observational \(BRAVO\) study - Green](#)

- * Midwest RPO organic speciation study - Donna Kenski (15 minutes)

[Midwest RPO Nitrate and Organic Speciation Studies - Kenski](#)

- * SEARCH - Eric Edgerton (15 minutes)

[Sources of PM 2.5 Carbon in the SE U.S. - Jansen](#)

- * PM Supersites - Marc Pitchford (15 minutes)

[Overview of the Supersites Program - Scheffe](#)

- WRAP Causes of Haze Assessment - Mark Green (30 minutes)

[Causes of Haze Assessment - Green](#)

EMISSIONS SESSION**Whispering Oaks**

- 1:00-2:00 pm Data Exchange Protocol Review – Baumann/Janssen
- 2:00-2:15 Reactions to EPA's Non-Road Response – Booth
- 2:15-2:35 ASEM Review/CMU Review – Janssen

Review of ASEM and CMU Ammonia Model - Janssen

- 2:35-3:15 Tribal Participation

Tribal Emissions Inventory Software Solutions (TEISS) - Jesse

Large Scale Emissions Inventory - Hilverda

MRPO Experience – Mark Janssen

WRAP Experience – Bob Ramirez

OUTREACH & COMMUNICATIONS SESSION**Trinity 1-4**

2:45 Break

3:00 **JOINT SESSION: MODELING & MONITORING/DATA ANALYSIS**

Trinity 1-4

- Monitor and Model Species Mapping/Matching, spatial representativeness (Chad Daniel will frame modeling issues)

[Modeling & Monitoring/Data Analysis - Daniel](#)

- Other issues (sampling type, diurnal / continuous v. daily, unexplained fine mass)
- 2002 base year for modeling or just emissions? What monitored data is available?
- Overview of Navy's System for Global Modeling of Sulfate, Smoke & Dust - Doug Westphal (45 minutes)

[Overview of Navy's System for Global Modeling of Sulfate, Smoke & Dust - Westphal](#)

EMISSIONS SESSION

Whispering Oaks

- 3:15-3:40 Review of Soil, Dust and Ammonia - Lorang/Pace

[Soil Dust & Ammonia Call - Lorang](#)

- 3:40-4:05 Review of Livestock Ammonia Call - Janssen

[Ammonia Co-operation Call - Janssen](#)

- 4:05-4:30 Review of Fires Call and Discussion - Tom Moore

[RPO National Work Group Meeting: Presentation Overview - Lahm](#)

- 4:30-5:00 CSEM Review and Discussion - Doug Fox

[Community Smoke Emissions Modeling - Fox](#)

5:00 Adjourn

Wednesday, December 4, 2002

8:00 **JOINT SESSION: MODELING & EMISSIONS**

Trinity 1-4

[Performance Evaluation of Emissions Models - Janssen](#)

[Midwest RPO Sector Specific Modeling - Baker](#)

- Speciation & particle size distribution for Models
- Sensitivity analysis
- Inventory uncertainty (inventory group views vs. modeling group views)
- Emissions model selection criteria
- Where is the line between emissions and photochemical models?
- 2002 base year for modeling or just emissions?

MONITORING/DATA ANALYSIS SESSION

Trinity 5

- VIEWS Steering Committee Meeting (total 3 hours)
 - * VIEWS demonstration; system description; Annual Report preview; and planned capabilities - Bret Schichtel (1 ½ hours)

[VIEWS - Visibility Information Exchange Web System - Schichtel](#)

[The VIEWS Backend Information System - McClure](#)

- * CAPITA Distributed Voyager (& trajectories tool) - Rudy Husar (30

minutes)

[VOYAGER Data Federation Tools and Services - Husar](#)

[Source Apportionment of Air Quality Monitoring Data: Paired Aerosol /](#)

[Trajectory Database Analysis Tool Development - Husar](#)

- * Break (15minutes)

- * Discussion of possible uses of other data sources (e.g. Navy model output, ASOS, shadow-band radiometer) - Rich Poirot (45 minutes)

[Regional Haze is a Complex 8-Dimensional Problem - Poirot](#)

11:30 Lunch

12:30 **DISCUSSION GROUPS: CLOSE-OUT SESSIONS**

MODELING GROUP SESSION

Trinity 6-8

- Background, global contributions to PM_{2.5}
- Mapping MM5 vertical grid to photochemical vertical grid
- Selection of new chairperson for group and other issues

MONITORING/DATA ANALYSIS SESSION

Trinity 5

- Other topics & possible future collaborations (1 hour)

EMISSIONS SESSION

Whispering Oaks

- Discussion of Cooperative Projects and Combining Resources - Annie Baumann
- Review Remaining Issues - Annie Baumann

1:30 **COMBINED SESSION: ALL GROUPS**

Trinity 1-4

Discussion Group Reports (Each will have 30 min. to include 10 min. presentation and 20 min. discussion)

[Emissions - Janssen.ppt](#)

3:00 Adjourn